

CLAIMS

1 1. A fastener mounting clip for securing a fastener in a bore hole
2 formed in the sheet material, said mounting clip comprising:

3 a planar surface having a recessed aperture formed central thereto and
4 an outside edge, said aperture operative to receive and retain the fastener;

5 at least two elongated guide arms formed on the outside edge of the
6 planar surface and each having a free end, said at least two elongated guide
7 arms stand spaced apart and extend beneath the planar surface wherein said at
8 least two guide arms are operative to guide the mounting clip into the bore hole
9 formed in the sheet material;

10 at least two resilient retaining arms formed on the outside edge of the
11 planar surface, said at least two retaining arms stand spaced apart and extend
12 beneath the planar surface, said retaining arms operative to compress and
13 expand upon insertion of the mounting clip into the bore hole wherein a top
14 end of the retaining arms abut against a bottom surface of the sheet material
15 and a bottom end of the retaining arms are shrouded by said free ends of the
16 guide arms; and

17 at least two support tabs extending outwardly for the outside edge of the
18 planar surface and operative to abut against a top surface of the sheet material.

1 2. The fastener mounting clip of claim 1 wherein the at least two
2 resilient retaining arms are formed in loops.

1 3. The fastener mounting clip of claim 1 formed of a single piece
2 of sheet material.

1 4. The fastener mounting clip of claim 1 wherein the planar
2 surface is rectilinear.

1 5. The fastener mounting clip of claim 1 wherein the guide arms
2 extend beneath the planar surface at an obtuse angle.

1 6. The fastener mounting clip of claim 5 wherein the obtuse angle
2 is between 95 and 110 degrees.

1 7. The fastener mounting clip of claim 1 wherein the free ends of
2 the guide arms are V-shaped.

1 8. A fastener mounting clip assembly for securing a fastener in a
2 bore hole formed in sheet material, said mounting clip assembly comprising:

3 a U-shaped retainer portion having:

4 a U-base with an aperture formed at its center;

5 opposing spring arms, each spring arm extending above the
6 U-base and having a U-shaped notch formed between two retaining
7 wedges, said retaining wedges extend along outer edges of the spring
8 arms and having a tapered end adjacent the U-base; and

9 a U-shaped carrier portion dimensioned to receive the U-shaped retainer
10 portion, said U-shaped carrier having:
11 a carrier base having a protruding cylindrical aperture formed
12 central to and extending upwardly; said cylindrical aperture
13 dimensioned to be received through the aperture formed in the U-base
14 and operative to receive and retain the fastener therein; and
15 opposing inverted L-shaped arms having a body portion and a
16 base portion, said body portion extending upwardly from the carrier
17 base and said base portion extending outwardly from the carrier base,
18 said body portion having bilateral notches dimensioned to
19 interlockingly engage the retaining wedges of the spring arms and
20 wherein the fastener mounting clip is dimensioned to be received in the
21 bore hole of the sheet material such that the retaining wedges abut a
22 bottom surface of the sheet material and the base portion of the
23 L-shaped arms abut a top surface of the sheet material.

1 9. The fastener assembly of claim 7 wherein the U-base further
2 comprises at least one stabilizer tab disposed at the center aperture.